



FEMA
Retrieve Your FEMA SID



RPPA 1.0 - 1
REP Post-Plume Awareness Course (RPPA)
Introductions and Course Overview

Course Management

- Host –
- Course Manager – Scott.Hallett@fema.dhs.gov
- Help Desk -

RPPA Class Registration: <https://cdp.dhs.gov/apply>

Insert Promo Code: **21N-0959 RPPA**

Student Course Materials: FEMA's Preparedness Toolkit - Register for an account if you do not already have one, then "Sign-in" and "Request Membership" in the "REPP Training Community". Click this link:

<https://preptoolkit.fema.gov>



FEMA

RPPA 1.0 - 2

REP Post-Plume Awareness Course (RPPA)
Introductions and Course Overview

Course Structure

Module 1.0 - Introductions & Course Overview

Module 2.0 - REP Program Essentials

Module 3.0 - Plume (Emergency/Early) Phase –
Responsibilities / Actions

Module 4.0 - Post-Plume (Intermediate) Phase - Exposure
Interventions

Module 5.0 - Post-Plume (Intermediate) Phase - Ingestion
Interventions

Module 6.0 - Recovery (Late) Phase

Module 7.0 - Overview of Recovery (Late) Phase

Module 8.0 - Course Summary, Post-Test and End-of-Course
Evaluation



FEMA

RPPA 1.0 – 3

REP Post-Plume Awareness Course (RPPA)
Introductions and Course Overview

Course Purpose

- ▶ The main purpose for the 1.0-day awareness-level AWR-351 REP Post-Plume Awareness Course (RPPA) is to provide a precise training track which focuses on the specific needs of the 50-mile Emergency Planning Zone (EPZ), Offsite Response Organizations (OROs) responsible for addressing the implementation of protective actions relating to “Exposure” and ingestion” interventions during the Post-Plume (Intermediate) phase of a radiological incident from a NRC-licensed commercial nuclear power plant (NPP).



FEMA

RPPA 1.0 - 4

REP Post-Plume Awareness Course (RPPA)
Introductions and Course Overview

Target Audience

- ▶ The primary target audience is the REP ingestion counties within the 10 to 50-mile EPZ who usually do not write their own plans, but rely on State agency plans to identify procedures and capabilities to be implemented during a radiological incident that affects their jurisdiction.
- ▶ A secondary target audience is Federal, State, Tribal, utility, and local emergency managers and planners responsible for emergency operations plans and implementation procedures concerning ingestion protective actions response capabilities within the 50-mile EPZ.
- ▶ Other beneficial parties: personnel from supporting agencies involved in response to a radiological incident at a NRC-licensed commercial nuclear power plant.

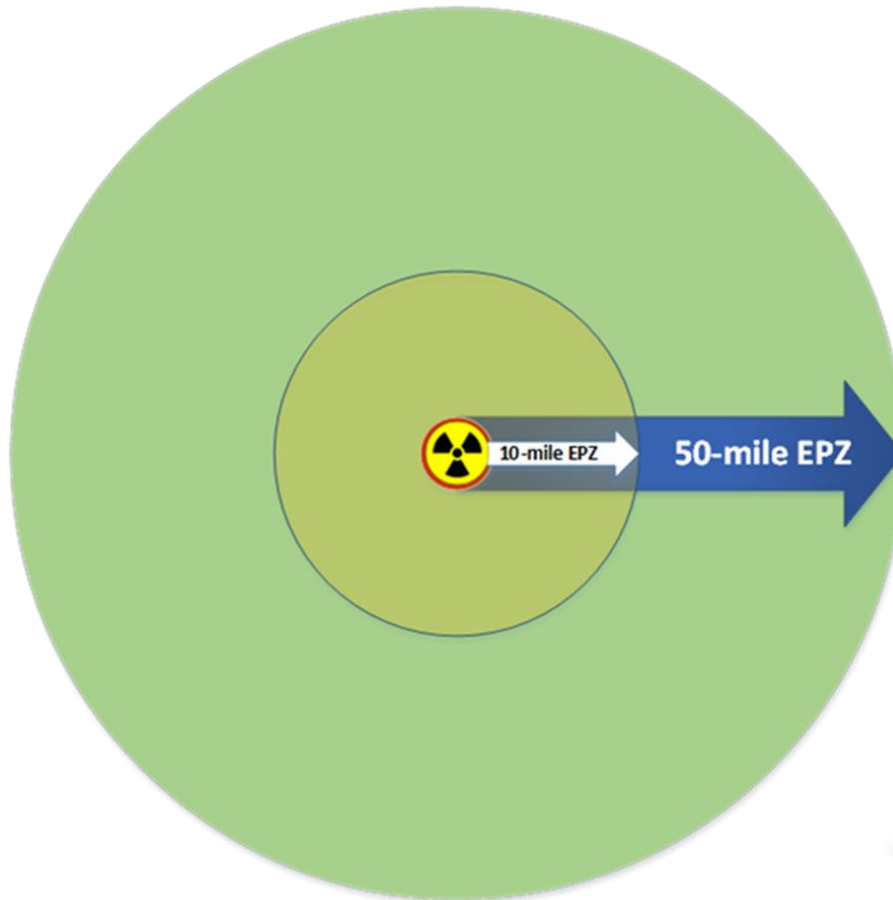


FEMA

RPPA 1.0 - 5

REP Post-Plume Awareness Course (RPPA)
Introductions and Course Overview

Emergency Planning Zones (EPZs)



Refer to RPM Part I.F.4-
“Emergency Planning
Zones” / pg. 18



FEMA

❖ *See Participant Notes*

RPPA 1.0 - 6

REP Post-Plume Awareness Course (RPPA)
Introductions and Course Overview

Student Introductions

- ▶ Your name, FEMA region & State (e.g. John Smith R-1/MA)?
- ▶ Within which EPZ (10/50) is your jurisdiction located?
- ▶ Do you have direct responsibility for development and maintenance of your ORO's All-Hazard or REP plans/procedures?
- ▶ Have you ever participated in a REP exercise?
- ▶ Who has the authority to make protective action decisions?



FEMA

Course Goals – At the completion of this course, the student shall be able to:

- ▶ Describe the essential purpose of the REP Program's offsite planning and preparedness assessment strategy and coordination of the National effort to provide State, local, and Tribal governments with relevant and executable planning, training, and exercise guidance and policies necessary to ensure that adequate capabilities exist to prevent, protect against, mitigate the effects of, respond to, and recover from incidents involving NRC-licensed commercial nuclear power plants (NPPs).



Course Goals – At the completion of this course, the student shall be able to:

- ▶ Describe the roles and responsibilities of the Federal & State agencies, 50-mile ingestion exposure pathway counties, and Offsite Response Organizations (OROs) involved in the adequate protection of the health and safety of the public during the Post-Plume (Intermediate) phase of a radiological incident at a NRC-licensed commercial NPP.



Course Goals – At the completion of this course, the student shall be able to:

- ▶ Describe the coordination and communication of the Federal & State agencies, 50-mile ingestion exposure pathway counties, and Offsite Response Organizations (OROs) involved in the adequate protection of the health and safety of the public during the Post-Plume (Intermediate) phase of a radiological incident at a NRC-licensed commercial NPP.



Course Goals – At the completion of this course, the student shall be able to:

- ▶ Characterize the US Environmental Protection Agency (EPA) Protective Action Guides (PAGs) which provide guidance to Federal, State, Tribal, and local agencies when supporting emergency response planning and implementation of protective actions (e.g. relocation, reentry, and return) associated with “Exposure” interventions during the Post-Plume (Intermediate) phase of a radiological incident at a NRC-licensed commercial NPP.



Course Goals – At the completion of this course, the student shall be able to:

- ▶ Compose planning elements related to actions and decisions to be made during the Post-Plume (intermediate) phase concerning the implementation of protective actions associated with interventions (e.g. relocation, reentry, and return) which address and are consistent with EPA Guidelines.



Course Goals – At the completion of this course, the student shall be able to:

- ▶ Characterize the US Food and Drug Administration (FDA) Protective Action Guides (PAGs) which provide guidance to Federal, State, Tribal, and local agencies when supporting emergency response planning and implementation of protective actions associated with “Ingestion” interventions during the Post-Plume (Intermediate) phase of a radiological incident at a NRC-licensed commercial NPP.



Course Goals – At the completion of this course, the student shall be able to:

- ▶ Compose planning elements related to actions and decisions to be made during the Post-Plume (intermediate) phase concerning the ingestion exposure pathway implementation of protective actions associated with interventions which address and are consistent with FDA Guidelines.



Course Goals – At the completion of this course, the student shall be able to:

- ▶ Describe and identify the recovery strategies, coordination, and communication conducted by State and local agencies with Federal resources during the Late Phase of a radiological incident at a NRC-licensed commercial NPP.



Curriculum and Class Format

- 1.0 days of course work (Optional: 2 day)
- Post-Test
- Achieve 70% or higher on the Post-Test (15 questions)
- Complete and submit end-of-course evaluation



FEMA

RPPA 1.0 - 16

REP Post-Plume Awareness Course (RPPA)
Introductions and Course Overview

Administrative Announcements

- Zoom.Gov
 - Sign-in (Rename to include FEMA Region, i.e. R-1)
 - Polling (Questions)
 - Push to Talk (Discussions)
 - Chat (Written Questions)
 - Breakout Rooms (Enter/Leave)
- Breaks
- Virtual Classroom Etiquette



FEMA

RPPA 1.0 - 17

REP Post-Plume Awareness Course (RPPA)
Introductions and Course Overview

-
- AWR-351 REP Post-Plume Awareness Course (RPPA) Participant Manual (PM)
 - REP Program Manual [2019]
 - Handouts
 - RadResponder Fact Sheet
 - NARAC Fact Sheet
 - American Nuclear Insurers (ANI) Brochure
 - IPAWS Fact Sheet



Post-Plume Reference Booklet - Table of Contents

REP Plan Review Methodology (Job-Aid)

Post-Plume Planning Toolkit (Criteria)

Tab #1 - Nuc/Rad Incident Annex (NRIA) [2016] (*Abridged*)

Tab #2 - NRIA Base Annex

Tab #3 - NRIA Branch 2: Federal Response to and Recovery from Inadvertent Nuclear/Radiological Incidents

Tab #4 - EPA PAG Manual [2017]

EPA PAG Manual FAQ [2017]

Tab #5 - FDA PAG Manual [1998]

Tab #6 - Ingestion ORO Plan Annex (Granite County)

Fact Sheet 01 - Restricted Zone

Fact Sheet 02 - Re-entry

Fact Sheet 03 - Relocation

Fact Sheet 04 - Return

Fact Sheet 05 - Recovery

Fact Sheet 06 - Food Protection

Fact Sheet 07 - American Nuclear Insurers FAQ

Fact Sheet 08 - Intermediate & Ingestion Phases

Fact Sheet 09 - Ingestion County ECLs



FEMA



FEMA

RPPA 1.0 - 20

REP Post-Plume Awareness Course (RPPA)
Introductions and Course Overview

Transition and Summary

- **Module 1.0** introduced the participants and provided a RPPA course overview.
- **Module 2.0** will familiarize the participant with the essential REP Program elements as stated in its' mission statement and guidance provided in the REP Program Manual (RPM).



FEMA

RPPA 1.0 - 21

REP Post-Plume Awareness Course (RPPA)
Introductions and Course Overview